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TOOL TRAY FOR BEAUTY OPERATORS

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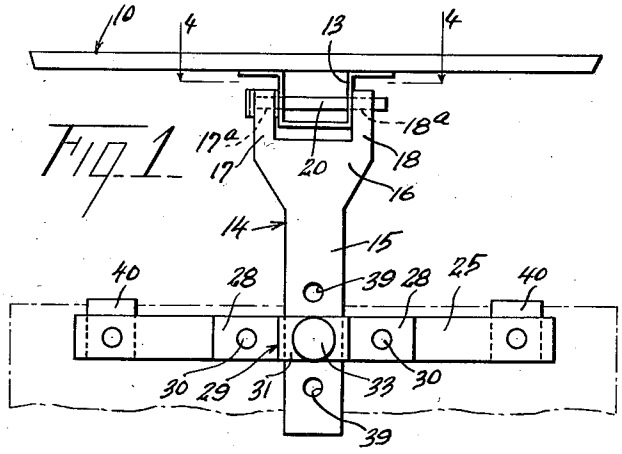


FIG. 1

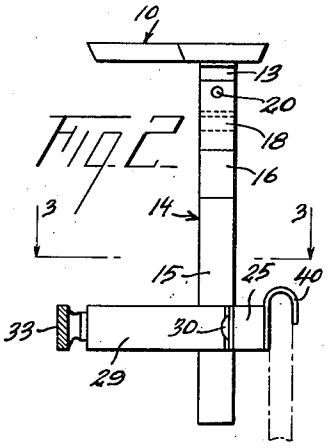


FIG. 2

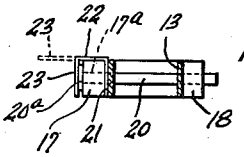


FIG. 4

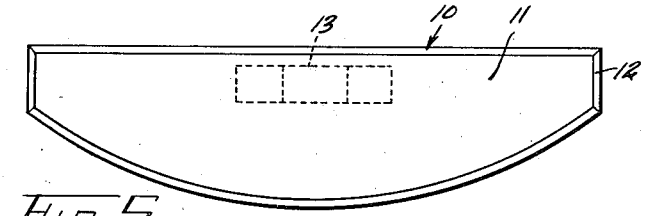


FIG. 5

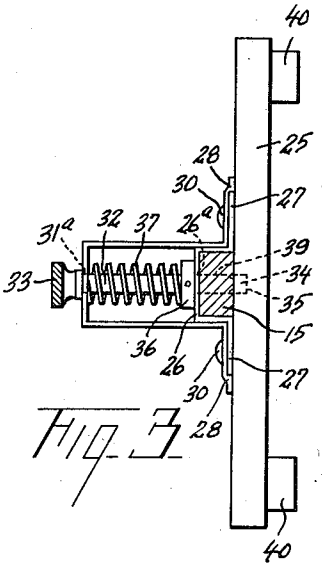


FIG. 3

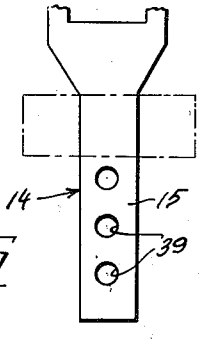


FIG. 6

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TOOL TRAY FOR BEAUTY OPERATORS

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3 Claims. (Cl. 155—123)

This invention relates to a tray for holding implements such as a comb, scissors, etc., of a beauty operator.

It is the principal object of this invention to provide a tray mounted on an adjustable support which is so designed as to permit the ready placement of the tray and its support on the back of a beauty parlor chair provided with or without a head rest, the adjustable support for the tray including a readily attachable and detachable attaching means for effecting the placement of the tray on the back of the chair.

A further object of the invention resides in the provision of such a device which is simple and efficient in use and which may be manufactured at a comparatively low cost.

With the foregoing and other objects in view, the invention resides in the novel arrangement and combination of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

A practical embodiment of the invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a front elevational view of the tray and tray support including cross-arm attaching means for mounting the tray support on a chair provided with no head rest;

Figure 2 is a side elevational view of tray, tray support and attaching means of Figure 1;

Figure 3 is a transverse sectional view taken on line 3—3, Figure 2, showing details of cross-arm construction;

Figure 4 is a detail sectional view taken on line 4—4, Figure 1 showing pivotal mounting of tray on tray support;

Figure 5 is a plan view of the tray proper; and

Figure 6 shows the tray support with cross-arm removed for mounting on a chair provided with a head rest.

Referring to the drawing, 10 denotes a tray of any desired shape or size provided with a flat bottom 11 and an integral peripheral upstanding flange 12, the tray being formed of any suitable material. Secured to the underside of the tray bottom 11, in any desired manner, is a U-shaped metal bracket 13 which is arranged centrally between the ends of the tray. In order to support the tray 10, there is provided a tray support 14 comprising a shank portion 15, preferably rectangular in cross-section, terminating at its upper end in a yoke 16 having upstanding parallel arms 17 and 18 provided with aligned openings 17*a* and 18*a* adjacent the upper ends thereof.

The U-bracket 13 is provided with similarly aligned openings so that when the bracket 13 is positioned between the yoke arms 17 and 18, a pin 20 adapted to be inserted through said openings will function to connect the tray 10 to its tray support 14 which connection is such as to permit pivotal movement of said tray relative to its support in the manner readily apparent. Prior to the insertion of the pivot pin 20 there is placed between the arm 17 and the bracket 13 a perforated end 21 of a metallic strip 22, the opening in said end 21 adapted to register with the opening 17*a* and the corresponding opening in the bracket 13, the pin 20 extending through all of said openings, see Figure 4. When so inserted, the head 20*a* of the pin 20 will abut the side face of the arm 17, and in order to lock the pin 20 in place the metal strip 22 is bent around the arm 17 so that the other end portion 23 of said strip will engage the pin head 20*a* whereby to prevent axial movement of said pin outwardly of the yoke arms.

Preferably the thickness of the metal strip 22 should be such as to set up a frictional engagement between all surfaces of the U-bracket 13, yoke arms and metal strip end 21 that mutually contact each other whereby to retain the tray 10 in any position of pivotal adjustment.

Co-acting with the shank 15 of the tray support 14 is a cross-arm 25 which is provided on one side thereof with a metal collar 26 of U-shape defining with said cross-arm a rectangular guide adapted to snugly receive the shank 15. Superimposed over the lateral ends 27 of the collar 26 are the lateral ends 28 of a metal strap shaped to provide cage 29 for a spring latch mechanism to be hereinafter described, both the lateral ends 27—28 being rigidly secured to the cross-arm 25 by a common fastening means such as the rivets 30.

As indicated above the tray support shank 15 is fitted within the collar guide 26 for vertical movement therein for various positions of vertical adjustment. Formed in the end wall 31 of the cage 29 and in the side wall of the guide collar 26 opposite thereto are align openings 31*a* and 26*a*, respectively. Extending through said openings is a latch bar 32 on the outer end of which is fixed a knob 33, the other or inner end portion 34 of the latch bar extending transversely across said guide collar 26, the terminal end of said bar preferably seating in a recessed

opening 35 provided therefor in the cross-arm 25. In this position of the latch bar the knob 33 abuts the end wall 31 of the cag 29. Mounted on the latch bar is a spring seat 36 which is engaged by one end of a compression spring 37 surrounding said bar, the other end of said spring engaging the end wall 31 of the cage 29.

The shank 15 of the tray support is provided with a vertical row of transverse openings 39 each being adapted to receive the end portion of the latch bar 32 when brought into registery therewith, for locking the tray support 14 in its adjusted vertical position on the cross-arm 25. Each end of the cross-arm 25 is provided with a hook 40 for mounting the cross-arm 25 on the back of a chair (as shown by dotted lines see Fig. 1) of the type which is not provided with a head rest. When mounted on the cross-arm, the tray 10 may be moved about its pivotal support in order to level the same. Vertical adjustment of the tray 10 is accomplished by pulling out the latch bar 32 and moving the shank 15 either up or down to bring one of the openings 39 therein into registry with said bar for the selected vertical position of the shank, so as to receive said latch bar upon release of the same.

Where it is desired to mount the tray 10 on a chair provided with a removable head rest, the cross-arm 25 is detached from the shank 15 of the tray support 14, said shank 15 being then inserted into the bracket (see dotted lines, Fig. 6) on the chair from which the head rest has been removed.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:

1. A beauty operator implement holding device for use with the back of a chair, comprising a tray, a U-bracket fixed to the underside of said tray, a tray support including a shank and a yoke formed at the upper end thereof, said U-bracket being adapted to fit between the arms of said yoke, a headed pivot pin connecting said U-bracket to said yoke for pivotal movement about a horizontal axis, and means arranged between one side of said U-bracket and one of the arms of said yoke and extending across said one arm and over said head and operative to lock said pivot pin against axial movement outwardly of said yoke.

2. In the device as set forth in claim 1, wherein said pivot pin is provided with a head at one end thereof adapted to abut said one of the arms of said yoke, said means being formed to engage said head to hold the same in its abutting engagement with said arm.

3. In the device as set forth in claim 1, wherein said means comprises a flat strip having a bendable free end portion adapted to be bent into abutting engagement with one end of said pivot pin and operative to establish a frictional engagement between the same and adjacent surfaces of said U-bracket and yoke arm adjacent thereto.

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